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September 29, 2017

VIA ELECTRONIC FILING

The Honorable Jocelyn G. Boyd
Chief Clerk/Administrator
Public Service Commission of South Carolina
101 Executive Center Drive, Suite 100
Columbia, South Carolina 29210

Re: **Duke Energy Progress, LLC – Monthly Power Plant Performance
Report
Docket No. 2006-224-E**

Dear Ms. Boyd:

Pursuant to the Commission's Orders in Docket No. 1977-354-E, enclosed for filing is the Monthly Power Plant Performance Report in Docket No. 2006-224-E for the month of August 2017.

Should you have any questions regarding this matter, please do not hesitate to contact me at 803.988.7130.

Sincerely,

Rebecca J. Dulin

Enclosure

cc: Ms. Dawn Hipp, Office of Regulatory Staff
Mr. Jeffrey M. Nelson, Office of Regulatory Staff
Ms. Shannon Bowyer Hudson, Office of Regulatory Staff
Ms. Nanette Edwards, Office of Regulatory Staff
Michael Seaman-Huynh, Office of Regulatory Staff
Ms. Heather Shirley Smith, Duke Energy
Mr. Scott Elliott, Elliott & Elliott, P.A.
Mr. Garrett Stone, Brickfield, Burchette, Ritts & Stone, PC
Mr. Gary Walsh, Walsh Consulting, LLC

**Duke Energy Progress
Base Load Power Plant Performance Review Plan**

Period: August, 2017

Station	Unit	Date of Outage	Duration of Outage	Scheduled / Unscheduled	Cause of Outage	Reason Outage Occurred	Remedial Action Taken
Brunswick	1	None					
	2	None					
Harris	1	None					
Robinson	2	None					

**Duke Energy Progress
Base Load Power Plant
Performance Review Plan
August 2017**

Lee Energy Complex

No Outages at Baseload Units During the Month.

Richmond County Station

No Outages at Baseload Units During the Month.

Sutton Energy Complex

Unit	Duration of Outage	Type of Outage	Cause of Outage		Reason Outage Occurred	Remedial Action Taken
1A	8/19/2017 3:27:00 AM To 8/23/2017 11:44:00 AM	Unsch	5075	Blade Path Temperature Spread	CT 01A Tripped on Blade Path Spread	
ST1	8/17/2017 11:37:00 PM To 8/18/2017 10:41:00 AM	Sch	3620	Main Transformer	GSU transformer "A" phase bushing running hot and is being inspected	

Notes:

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- Units in commercial operation for the full month are presented. Pre-commercial or partial month commercial operations are not included.

Duke Energy Progress
Base Load Power Plant Performance Review Plan

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August 2017
Brunswick Nuclear Station

	<u>Unit 1</u>	<u>Unit 2</u>		
(A) MDC (mW)	938	932		
(B) Period Hours	744	744		
(C) Net Gen (mWh) and Capacity Factor (%)	694,718	99.55	682,187	98.38
(D) Net mWh Not Gen due to Full Schedule Outages	0	0.00	0	0.00
* (E) Net mWh Not Gen due to Partial Scheduled Outages	7,610	1.09	17	0.00
(F) Net mWh Not Gen due to Full Forced Outages	0	0.00	0	0.00
* (G) Net mWh Not Gen due to Partial Forced Outages	-4,456	-0.64	11,204	1.62
* (H) Net mWh Not Gen due to Economic Dispatch	0	0.00	0	0.00
* (I) Core Conservation	0	0.00	0	0.00
(J) Net mWh Possible in Period	697,872	100.00%	693,408	100.00%
(K) Equivalent Availability (%)		98.91		100.00
(L) Output Factor (%)		99.55		98.38
(M) Heat Rate (BTU/NkWh)		10,542		10,865

* Estimate

FOOTNOTE: D and F Include Ramping Losses

Duke Energy Progress
Base Load Power Plant Performance Review Plan

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August 2017
Harris Nuclear Station

Unit 1

(A) MDC (mW)	928	
(B) Period Hours	744	
(C) Net Gen (mWh) and Capacity Factor (%)	701,133	101.55
(D) Net mWh Not Gen due to Full Schedule Outages	0	0.00
* (E) Net mWh Not Gen due to Partial Scheduled Outages	0	0.00
(F) Net mWh Not Gen due to Full Forced Outages	0	0.00
* (G) Net mWh Not Gen due to Partial Forced Outages	-10,701	-1.55
* (H) Net mWh Not Gen due to Economic Dispatch	0	0.00
* (I) Core Conservation	0	0.00
(J) Net mWh Possible in Period	690,432	100.00%
(K) Equivalent Availability (%)		100.00
(L) Output Factor (%)		101.55
(M) Heat Rate (BTU/NkWh)		10,642

* Estimate

FOOTNOTE: D and F Include Ramping Losses

Duke Energy Progress
Base Load Power Plant Performance Review Plan

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August 2017
Robinson Nuclear Station

Unit 2

(A) MDC (mW)	741	
(B) Period Hours	744	
(C) Net Gen (mWh) and Capacity Factor (%)	557,543	101.13
(D) Net mWh Not Gen due to Full Schedule Outages	0	0.00
* (E) Net mWh Not Gen due to Partial Scheduled Outages	0	0.00
(F) Net mWh Not Gen due to Full Forced Outages	0	0.00
* (G) Net mWh Not Gen due to Partial Forced Outages	-6,239	-1.13
* (H) Net mWh Not Gen due to Economic Dispatch	0	0.00
* (I) Core Conservation	0	0.00
(J) Net mWh Possible in Period	551,304	100.00%
(K) Equivalent Availability (%)		100.00
(L) Output Factor (%)		101.13
(M) Heat Rate (BTU/NkWh)		10,624

* Estimate

FOOTNOTE: D and F Include Ramping Losses

**Duke Energy Progress
Base Load Power Plant
Performance Review Plan
August 2017**

Lee Energy Complex

	Unit 1A	Unit 1B	Unit 1C	Unit ST1	Block Total
(A) MDC (mW)	223	222	223	379	1,047
(B) Period Hrs	744	744	744	744	744
(C) Net Generation (mWh)	127,528	128,540	129,303	273,956	659,327
(D) Capacity Factor (%)	76.86	77.82	77.93	97.16	84.64
(E) Net mWh Not Generated due to Full Scheduled Outages	0	0	0	0	0
(F) Scheduled Outages: percent of Period Hrs	0.00	0.00	0.00	0.00	0.00
(G) Net mWh Not Generated due to Partial Scheduled Outages	39,432	38,688	39,432	744	118,296
(H) Scheduled Derates: percent of Period Hrs	23.77	23.42	23.77	0.26	15.19
(I) Net mWh Not Generated due to Full Forced Outages	0	0	0	0	0
(J) Forced Outages: percent of Period Hrs	0.00	0.00	0.00	0.00	0.00
(K) Net mWh Not Generated due to Partial Forced Outages	0	0	0	0	0
(L) Forced Derates: percent of Period Hrs	0.00	0.00	0.00	0.00	0.00
(M) Net mWh Not Generated due to Economic Dispatch	0	0	0	7,276	7,276
(N) Economic Dispatch: percent of Period Hrs	0.00	0.00	0.00	2.58	0.93
(O) Net mWh Possible in Period	165,912	165,168	165,912	281,976	778,968
(P) Equivalent Availability (%)	76.23	76.58	76.23	99.74	84.81
(Q) Output Factor (%)	76.86	77.82	77.93	97.16	84.64
(R) Heat Rate (BTU/NkWh)	8,791	8,776	8,755	5,218	7,296

Notes:

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- Units in commercial operation for the full month are presented. Pre-commercial or partial month commercial operations are not included.
- (R) Includes Light Off BTU's

**Duke Energy Progress
Base Load Power Plant
Performance Review Plan
August 2017**

Richmond County Station

	Unit 7	Unit 8	Unit ST4	Block Total
(A) MDC (mW)	189	189	175	553
(B) Period Hrs	744	744	744	744
(C) Net Generation (mWh)	109,546	108,822	129,306	347,674
(D) Capacity Factor (%)	77.90	77.39	99.31	84.50
(E) Net mWh Not Generated due to Full Scheduled Outages	0	0	0	0
(F) Scheduled Outages: percent of Period Hrs	0.00	0.00	0.00	0.00
(G) Net mWh Not Generated due to Partial Scheduled Outages	26,040	26,784	4,464	57,288
(H) Scheduled Derates: percent of Period Hrs	18.52	19.05	3.43	13.92
(I) Net mWh Not Generated due to Full Forced Outages	0	0	0	0
(J) Forced Outages: percent of Period Hrs	0.00	0.00	0.00	0.00
(K) Net mWh Not Generated due to Partial Forced Outages	0	0	0	0
(L) Forced Derates: percent of Period Hrs	0.00	0.00	0.00	0.00
(M) Net mWh Not Generated due to Economic Dispatch	5,030	5,010	0	10,040
(N) Economic Dispatch: percent of Period Hrs	3.58	3.56	0.00	2.44
(O) Net mWh Possible in Period	140,616	140,616	130,200	411,432
(P) Equivalent Availability (%)	81.48	80.95	96.57	86.08
(Q) Output Factor (%)	77.90	77.39	99.31	84.50
(R) Heat Rate (BTU/NkWh)	11,958	11,641	0	7,411

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**Duke Energy Progress
Base Load Power Plant
Performance Review Plan
August 2017**

Richmond County Station

	Unit 9	Unit 10	Unit ST5	Block Total
(A) MDC (mW)	214	214	248	676
(B) Period Hrs	744	744	744	744
(C) Net Generation (mWh)	127,303	127,065	186,060	440,428
(D) Capacity Factor (%)	79.96	79.81	100.84	87.57
(E) Net mWh Not Generated due to Full Scheduled Outages	0	0	0	0
(F) Scheduled Outages: percent of Period Hrs	0.00	0.00	0.00	0.00
(G) Net mWh Not Generated due to Partial Scheduled Outages	29,760	29,016	0	58,776
(H) Scheduled Derates: percent of Period Hrs	18.69	18.22	0.00	11.69
(I) Net mWh Not Generated due to Full Forced Outages	0	0	0	0
(J) Forced Outages: percent of Period Hrs	0.00	0.00	0.00	0.00
(K) Net mWh Not Generated due to Partial Forced Outages	0	0	0	0
(L) Forced Derates: percent of Period Hrs	0.00	0.00	0.00	0.00
(M) Net mWh Not Generated due to Economic Dispatch	2,153	3,135	0	5,288
(N) Economic Dispatch: percent of Period Hrs	1.35	1.97	0.00	1.05
(O) Net mWh Possible in Period	159,216	159,216	184,512	502,944
(P) Equivalent Availability (%)	81.31	81.78	100.00	88.31
(Q) Output Factor (%)	79.96	79.81	100.84	87.57
(R) Heat Rate (BTU/NkWh)	11,791	11,720	0	6,789

Notes:

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- (R) Includes Light Off BTU's

**Duke Energy Progress
Base Load Power Plant
Performance Review Plan
August 2017**

Sutton Energy Complex

	Unit 1A	Unit 1B	Unit ST1	Block Total
(A) MDC (mW)	225	225	267	717
(B) Period Hrs	744	744	744	744
(C) Net Generation (mWh)	107,783	126,604	155,603	389,990
(D) Capacity Factor (%)	64.39	75.63	78.33	73.11
(E) Net mWh Not Generated due to Full Scheduled Outages	0	0	2,955	2,955
(F) Scheduled Outages: percent of Period Hrs	0.00	0.00	1.49	0.55
(G) Net mWh Not Generated due to Partial Scheduled Outages	35,185	40,176	968	76,328
(H) Scheduled Derates: percent of Period Hrs	21.02	24.00	0.49	14.31
(I) Net mWh Not Generated due to Full Forced Outages	23,464	0	0	23,464
(J) Forced Outages: percent of Period Hrs	14.02	0.00	0.00	4.40
(K) Net mWh Not Generated due to Partial Forced Outages	0	0	14,038	14,038
(L) Forced Derates: percent of Period Hrs	0.00	0.00	7.07	2.63
(M) Net mWh Not Generated due to Economic Dispatch	969	620	25,084	26,673
(N) Economic Dispatch: percent of Period Hrs	0.58	0.37	12.63	5.00
(O) Net mWh Possible in Period	167,400	167,400	198,648	533,448
(P) Equivalent Availability (%)	64.97	76.00	90.96	78.11
(Q) Output Factor (%)	75.08	75.82	79.51	77.04
(R) Heat Rate (BTU/NkWh)	11,942	11,861	0	7,151

Notes:

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- Units in commercial operation for the full month are presented. Pre-commercial or partial month commercial operations are not included.
- (R) Includes Light Off BTU's

**Duke Energy Progress
Intermediate Power Plant Performance
Review Plan
August 2017**

Mayo Station

Unit 1

(A) MDC (mW)	746
(B) Period Hrs	744
(C) Net Generation (mWh)	253,736
(D) Net mWh Possible in Period	555,024
(E) Equivalent Availability (%)	89.56
(F) Output Factor (%)	45.72
(G) Capacity Factor (%)	45.72

Notes:

- Effective January 2017, a change in capacity rating methodology could impact performance trending against historical results reported prior to January 2017.
- Units in commercial operation for the full month are presented. Pre-commercial or partial month commercial operations are not included.

**Duke Energy Progress
Intermediate Power Plant Performance
Review Plan
August 2017**

	Roxboro Station		
	Unit 2	Unit 3	Unit 4
(A) MDC (mW)	673	698	711
(B) Period Hrs	744	744	744
(C) Net Generation (mWh)	219,349	296,293	273,273
(D) Net mWh Possible in Period	500,712	519,312	528,984
(E) Equivalent Availability (%)	99.70	98.44	96.50
(F) Output Factor (%)	66.02	57.05	66.61
(G) Capacity Factor (%)	43.81	57.05	51.66

Notes:

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- Units in commercial operation for the full month are presented. Pre-commercial or partial month commercial operations are not included.

Duke Energy Progress
Base Load Power Plant Performance Review Plan

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September 2016 - August 2017
Brunswick Nuclear Station

	<u>Unit 1</u>	<u>Unit 2</u>		
(A) MDC (mW)	938	932		
(B) Period Hours	8760	8760		
(C) Net Gen (mWh) and Capacity Factor (%)	8,138,904	99.05	7,138,892	87.44
(D) Net mWh Not Gen due to Full Schedule Outages	70,647	0.86	691,653	8.47
* (E) Net mWh Not Gen due to Partial Scheduled Outages	53,626	0.65	217,093	2.66
(F) Net mWh Not Gen due to Full Forced Outages	0	0.00	0	0.00
* (G) Net mWh Not Gen due to Partial Forced Outages	-46,297	-0.56	116,682	1.43
* (H) Net mWh Not Gen due to Economic Dispatch	0	0.00	0	0.00
* (I) Core Conservation	0	0.00	0	0.00
(J) Net mWh Possible in Period	8,216,880	100.00%	8,164,320	100.00%
(K) Equivalent Availability (%)		97.77		90.20
(L) Output Factor (%)		99.91		95.53
(M) Heat Rate (BTU/NkWh)		10,423		10,817

* Estimate

FOOTNOTE: D and F Include Ramping Losses

Duke Energy Progress
Base Load Power Plant Performance Review Plan

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September 2016 - August 2017
Harris Nuclear Station

Unit 1

(A) MDC (mW)	928	
(B) Period Hours	8760	
(C) Net Gen (mWh) and Capacity Factor (%)	7,508,609	92.36
(D) Net mWh Not Gen due to Full Schedule Outages	534,528	6.58
* (E) Net mWh Not Gen due to Partial Scheduled Outages	50,574	0.62
(F) Net mWh Not Gen due to Full Forced Outages	229,432	2.82
* (G) Net mWh Not Gen due to Partial Forced Outages	-193,863	-2.38
* (H) Net mWh Not Gen due to Economic Dispatch	0	0.00
* (I) Core Conservation	0	0.00
(J) Net mWh Possible in Period	8,129,280	100.00%
(K) Equivalent Availability (%)		90.25
(L) Output Factor (%)		101.95
(M) Heat Rate (BTU/NkWh)		10,507

* Estimate

FOOTNOTE: D and F Include Ramping Losses

Duke Energy Progress
Base Load Power Plant Performance Review Plan

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September 2016 - August 2017
Robinson Nuclear Station

Unit 2

(A) MDC (mW)	741	
(B) Period Hours	8760	
(C) Net Gen (mWh) and Capacity Factor (%)	5,733,161	88.32
(D) Net mWh Not Gen due to Full Schedule Outages	827,647	12.75
* (E) Net mWh Not Gen due to Partial Scheduled Outages	-1,092	-0.02
(F) Net mWh Not Gen due to Full Forced Outages	41,867	0.64
* (G) Net mWh Not Gen due to Partial Forced Outages	-110,423	-1.69
* (H) Net mWh Not Gen due to Economic Dispatch	0	0.00
* (I) Core Conservation	0	0.00
(J) Net mWh Possible in Period	6,491,160	100.00%
(K) Equivalent Availability (%)		86.19
(L) Output Factor (%)		101.98
(M) Heat Rate (BTU/NkWh)		10,485

* Estimate

FOOTNOTE: D and F Include Ramping Losses

**Duke Energy Progress
Base Load Power Plant
Performance Review Plan
September, 2016 through August, 2017**

Lee Energy Complex

	Unit 1A	Unit 1B	Unit 1C	Unit ST1	Block Total
(A) MDC (mW)	215	214	216	379	1,024
(B) Period Hrs	8,760	8,760	8,760	8,760	8,760
(C) Net Generation (mWh)	1,308,122	1,288,174	1,292,176	2,417,350	6,305,822
(D) Capacity Factor (%)	69.35	68.62	68.40	72.84	70.29
(E) Net mWh Not Generated due to Full Scheduled Outages	198,487	165,449	191,292	208,770	763,997
(F) Scheduled Outages: percent of Period Hrs	10.52	8.81	10.13	6.29	8.52
(G) Net mWh Not Generated due to Partial Scheduled Outages	191,411	184,269	189,257	135,315	700,252
(H) Scheduled Derates: percent of Period Hrs	10.15	9.82	10.02	4.08	7.81
(I) Net mWh Not Generated due to Full Forced Outages	6,099	0	9,935	259,811	275,844
(J) Forced Outages: percent of Period Hrs	0.32	0.00	0.53	7.83	3.07
(K) Net mWh Not Generated due to Partial Forced Outages	0	0	0	18,289	18,289
(L) Forced Derates: percent of Period Hrs	0.00	0.00	0.00	0.55	0.20
(M) Net mWh Not Generated due to Economic Dispatch	182,017	239,485	206,405	279,042	906,948
(N) Economic Dispatch: percent of Period Hrs	9.65	12.76	10.93	8.41	10.11
(O) Net mWh Possible in Period	1,886,136	1,877,376	1,889,064	3,318,576	8,971,152
(P) Equivalent Availability (%)	77.98	81.85	79.85	81.24	80.40
(Q) Output Factor (%)	78.75	80.75	80.34	84.82	81.74
(R) Heat Rate (BTU/NkWh)	9,423	9,450	9,389	3,901	7,305

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**Duke Energy Progress
Base Load Power Plant
Performance Review Plan
September, 2016 through August, 2017**

Richmond County Station

	Unit 7	Unit 8	Unit ST4	Block Total
(A) MDC (mW)	184	184	173	541
(B) Period Hrs	8,760	8,760	8,760	8,760
(C) Net Generation (mWh)	983,194	965,379	1,123,531	3,072,104
(D) Capacity Factor (%)	60.95	60.01	74.00	64.81
(E) Net mWh Not Generated due to Full Scheduled Outages	386,299	385,512	385,399	1,157,210
(F) Scheduled Outages: percent of Period Hrs	23.95	23.96	25.38	24.41
(G) Net mWh Not Generated due to Partial Scheduled Outages	122,793	124,827	21,015	268,634
(H) Scheduled Derates: percent of Period Hrs	7.61	7.76	1.38	5.67
(I) Net mWh Not Generated due to Full Forced Outages	419	8,678	0	9,097
(J) Forced Outages: percent of Period Hrs	0.03	0.54	0.00	0.19
(K) Net mWh Not Generated due to Partial Forced Outages	0	0	4,941	4,941
(L) Forced Derates: percent of Period Hrs	0.00	0.00	0.33	0.10
(M) Net mWh Not Generated due to Economic Dispatch	120,479	124,396	0	228,349
(N) Economic Dispatch: percent of Period Hrs	7.47	7.73	0.00	4.82
(O) Net mWh Possible in Period	1,613,184	1,608,792	1,518,360	4,740,336
(P) Equivalent Availability (%)	67.05	66.25	72.36	69.62
(Q) Output Factor (%)	80.37	79.81	99.34	86.20
(R) Heat Rate (BTU/NkWh)	11,539	11,392	0	7,273

Notes:

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- (R) Includes Light Off BTU's

**Duke Energy Progress
Base Load Power Plant
Performance Review Plan
September, 2016 through August, 2017**

Richmond County Station

	Unit 9	Unit 10	Unit ST5	Block Total
(A) MDC (mW)	208	208	248	664
(B) Period Hrs	8,760	8,760	8,760	8,760
(C) Net Generation (mWh)	1,358,792	1,373,227	1,837,535	4,569,554
(D) Capacity Factor (%)	74.58	75.37	84.58	78.56
(E) Net mWh Not Generated due to Full Scheduled Outages	196,305	194,204	224,104	614,612
(F) Scheduled Outages: percent of Period Hrs	10.77	10.66	10.32	10.57
(G) Net mWh Not Generated due to Partial Scheduled Outages	138,478	135,587	22,233	296,298
(H) Scheduled Derates: percent of Period Hrs	7.60	7.44	1.02	5.09
(I) Net mWh Not Generated due to Full Forced Outages	5,165	3,667	446	9,277
(J) Forced Outages: percent of Period Hrs	0.28	0.20	0.02	0.16
(K) Net mWh Not Generated due to Partial Forced Outages	0	0	0	0
(L) Forced Derates: percent of Period Hrs	0.00	0.00	0.00	0.00
(M) Net mWh Not Generated due to Economic Dispatch	123,197	115,252	88,159	326,608
(N) Economic Dispatch: percent of Period Hrs	6.76	6.33	4.06	5.62
(O) Net mWh Possible in Period	1,821,936	1,821,936	2,172,478	5,816,350
(P) Equivalent Availability (%)	80.78	81.06	88.68	84.18
(Q) Output Factor (%)	84.57	84.62	94.66	88.37
(R) Heat Rate (BTU/NkWh)	11,490	11,403	0	6,844

Notes:

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**Duke Energy Progress
Base Load Power Plant
Performance Review Plan
September, 2016 through August, 2017**

Sutton Energy Complex

	Unit 1A	Unit 1B	Unit ST1	Block Total
(A) MDC (mW)	217	217	267	701
(B) Period Hrs	8,760	8,760	8,760	8,760
(C) Net Generation (mWh)	1,376,020	1,421,743	1,697,753	4,495,516
(D) Capacity Factor (%)	72.28	74.68	72.72	73.19
(E) Net mWh Not Generated due to Full Scheduled Outages	98,850	81,163	129,050	309,063
(F) Scheduled Outages: percent of Period Hrs	5.19	4.26	5.53	5.03
(G) Net mWh Not Generated due to Partial Scheduled Outages	186,798	188,832	35,152	410,782
(H) Scheduled Derates: percent of Period Hrs	9.81	9.92	1.51	6.69
(I) Net mWh Not Generated due to Full Forced Outages	26,261	3,176	2,474	31,912
(J) Forced Outages: percent of Period Hrs	1.38	0.17	0.11	0.52
(K) Net mWh Not Generated due to Partial Forced Outages	0	0	17,084	17,084
(L) Forced Derates: percent of Period Hrs	0.00	0.00	0.73	0.28
(M) Net mWh Not Generated due to Economic Dispatch	215,727	208,741	453,014	877,482
(N) Economic Dispatch: percent of Period Hrs	11.33	10.97	19.40	14.29
(O) Net mWh Possible in Period	1,903,656	1,903,656	2,334,528	6,141,840
(P) Equivalent Availability (%)	84.11	86.13	92.14	87.48
(Q) Output Factor (%)	79.71	80.05	77.34	78.91
(R) Heat Rate (BTU/NkWh)	11,398	11,315	0	7,067

Notes:

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- Units in commercial operation for the full month are presented. Pre-commercial or partial month commercial operations are not included.
- (R) Includes Light Off BTU's

**Duke Energy Progress
Intermediate Power Plant
Performance Review Plan
September, 2016 through August, 2017**

Mayo Station

Units	Unit 1
(A) MDC (mW)	743
(B) Period Hrs	8,760
(C) Net Generation (mWh)	1,810,669
(D) Net mWh Possible in Period	6,507,144
(E) Equivalent Availability (%)	86.88
(F) Output Factor (%)	49.64
(G) Capacity Factor (%)	27.83

Notes:

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**Duke Energy Progress
Intermediate Power Plant
Performance Review Plan
September, 2016 through August, 2017**

Roxboro Station

Units	Unit 2	Unit 3	Unit 4
(A) MDC (mW)	673	697	709
(B) Period Hrs	8,760	8,760	8,760
(C) Net Generation (mWh)	1,894,514	2,136,341	1,453,135
(D) Net mWh Possible in Period	5,892,552	6,104,232	6,209,328
(E) Equivalent Availability (%)	97.42	89.82	73.16
(F) Output Factor (%)	65.87	58.17	65.33
(G) Capacity Factor (%)	32.15	35.00	23.40

Notes:

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Duke Energy Progress
Outages for 100 mW or Larger Units
August, 2017

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<u>Unit Name</u>	<u>Capacity Rating (mW)</u>	<u>Full Outage Hours</u>		<u>Total</u>
		<u>Scheduled</u>	<u>Unscheduled</u>	
Brunswick 1	938	0.00	0.00	0.00
Brunswick 2	932	0.00	0.00	0.00
Harris 1	928	0.00	0.00	0.00
Robinson 2	741	0.00	0.00	0.00

Duke Energy Progress
Outages for 100 mW or Larger Units
August 2017

Unit Name	Capacity Rating (mW)	Full Outage Hours		Total Outage Hours
		Scheduled	Unscheduled	
Asheville Steam 1	192	0.00	0.00	0.00
Asheville Steam 2	192	0.00	0.00	0.00
Asheville CT 3	185	22.00	0.00	22.00
Asheville CT 4	185	0.00	0.00	0.00
Darlington CT 12	133	0.00	0.00	0.00
Darlington CT 13	133	0.00	0.00	0.00
Lee Energy Complex CC 1A	223	0.00	0.00	0.00
Lee Energy Complex CC 1B	222	0.00	0.00	0.00
Lee Energy Complex CC 1C	223	0.00	0.00	0.00
Lee Energy Complex CC ST1	379	0.00	0.00	0.00
Mayo Steam 1	746	0.00	0.00	0.00
Richmond County CC 1	183	159.00	0.00	159.00
Richmond County CC 2	183	0.00	0.00	0.00
Richmond County CC 3	185	0.00	0.00	0.00
Richmond County CC 4	186	14.47	0.00	14.47
Richmond County CC 6	179	0.00	6.37	6.37
Richmond County CC 7	189	0.00	0.00	0.00
Richmond County CC 8	189	0.00	0.00	0.00
Richmond County CC ST4	175	0.00	0.00	0.00
Richmond County CC 9	214	0.00	0.00	0.00
Richmond County CC 10	214	0.00	0.00	0.00
Richmond County CC ST5	248	0.00	0.00	0.00

Notes:

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Duke Energy Progress
Outages for 100 mW or Larger Units
August 2017

Unit Name	Capacity Rating (mW)	Full Outage Hours		Total Outage Hours
		Scheduled	Unscheduled	
Roxboro Steam 1	380	0.00	0.00	0.00
Roxboro Steam 2	673	0.00	0.00	0.00
Roxboro Steam 3	698	0.00	0.00	0.00
Roxboro Steam 4	711	0.00	0.00	0.00
Sutton Energy Complex CC 1A	225	0.00	104.28	104.28
Sutton Energy Complex CC 1B	225	0.00	0.00	0.00
Sutton Energy Complex CC ST1	267	11.07	0.00	11.07
Wayne County CT 10	192	0.00	0.00	0.00
Wayne County CT 11	192	0.00	0.00	0.00
Wayne County CT 12	193	25.00	0.00	25.00
Wayne County CT 13	185	81.00	152.00	233.00
Wayne County CT 14	197	0.00	0.00	0.00

Notes:

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